

BEST AVAILABLE COPY

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number
WO 2005/021319 A3

(51) International Patent Classification⁷: **B60N 2/08**

(21) International Application Number:
PCT/US2004/027894

(22) International Filing Date: 27 August 2004 (27.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/498,503 27 August 2003 (27.08.2003) US

(71) Applicant (for all designated States except US): INTIER AUTOMOTIVE INC [CA/CA]; 521 Newpark Boulevard, Newmarket, Ontario L3Y 4X7 (CA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): WEBER, James, Leo [US/US]; 5810 Perrytown, West Bloomfield, MI 48322 (US).

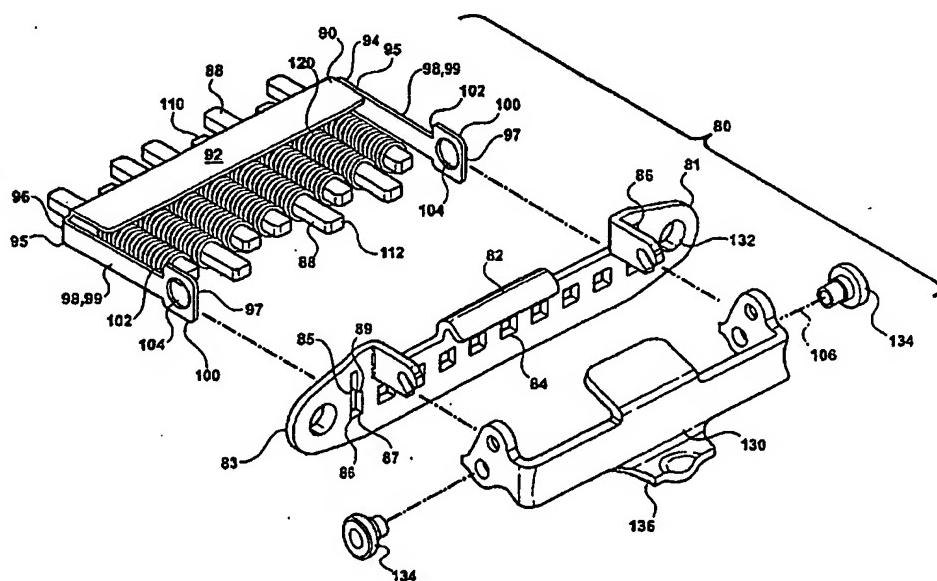
(74) Agents: ASHER, Robin, W. et al.; Clark Hill PLC, 500 Woodward Avenue, Suite 3500, Detroit, MI 48226-3435 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: LOCKING MECHANISM FOR SEAT TRACK ASSEMBLY



(57) Abstract: A seat track assembly is provided for adjusting a seat assembly of an automotive vehicle having a lower track (12) having a plurality of locking windows (74), an upper track (14) slidably mounted to the lower track and having a plurality of first (70) and second (72) support apertures. A locking mechanism (80) is operatively coupled between the lower and upper tracks. The locking mechanism includes a plurality of pins (88) movable in and out of a locked position, wherein the pins project through the locking windows and are supported by the first and second support aperture in a double shearing condition to prevent sliding adjustment of the upper track relative in the lower track.

WO 2005/021319 A3

BEST AVAILABLE COPY

WO 2005/021319 A3



Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

6 May 2005